

Ref(1)

PREPARATION OF CATALYST SUPPORTED BY METAL

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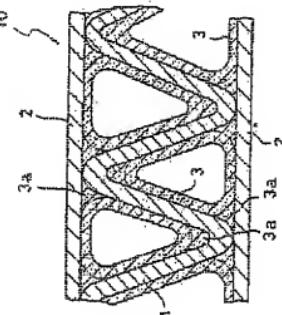
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Abstract of JP 1270948 (A)

PURPOSE: To uniformize the distribution of a catalytic component and to enhance the activity thereof by impregnating the surplus wall of the alumina wash coat layer formed to the corner part of a metal carrier with a filler to impregnate only the alumina wash coat layer with the catalytic component. CONSTITUTION: In a metal corrugated plate 1 is held between two flat plates 2 at first to form a carrier and an alumina wash coat layer 3 is formed to said carrier. Then, the surplus wall parts 3a in the thick wall parts of the alumina wash coat layer 3 at the corner parts of the flat plates 2 and the corrugated plate 1 as well as the corner parts of the corrugated plate 1 are impregnated with a filler such as polyvinyl alcohol to suppress the impregnation with a noble metal catalytic component. Thereafter, the alumina coat layer 3 is impregnated with the metal catalytic component such as platinum or rhodium. By this method, the catalytic component is uniformly distributed and becomes a proper amount and the catalytic activity thereof is enhanced.



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